

B1
document, including a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures;

validating one of said entity declarations of said document type definition to validate a corresponding one of said element declarations of said document type definition; and

creating said structured document having the contents of said document instance in said one logical structure that is defined by said corresponding validated element declaration.

SUB D37
9. (AS TWICE AMENDED) A computer-readable recording medium on which a structured document created in accordance with a predetermined document type definition is recorded, said medium comprising:

B2
the structured document being recorded in a data file formed on said recording medium;
the data file at least having a region in which the document type definition which defines a document structure of said structured document is recorded and another region in which at least one document instance which presents contents of the document are recorded;

a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures being described in said region in which the document type definition is recorded;

for each of the plurality of entity declarations, information which indicates whether the entity declaration is valid or invalid being additionally described.

SUB D57
13. (AS ONCE AMENDED) A computer-readable medium storing a program which, when executed by a computer, causes the computer to execute functions of a structured document creation method for creating a structured document in accordance with a predetermined document type definition, comprising:

B3
preparing at least one document instance which presents a contents of said structured document, and a document type definition which defines a document structure of said structured document, including a plurality of element declarations which respectively define a plurality of types of logical structures for said one document instance, and a plurality of entity declarations which respectively designate said defined logical structures;

validating one of said entity declarations of said document type definition to validate a corresponding one of said element declarations of said document type definition; and